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Miami-Dade County, Florida

RFP-000254

**SCOPE OF SERVICES
FOR
WASTE CARTS, RECYCLING CARTS, CART PARTS, BINS AND RELATED PRODUCTS AND
SERVICES**

2.1 OVERVIEW

Miami-Dade County, Florida (herein "Lead Public Agency") on behalf of itself and all states, local governments, school districts, and higher education institutions in the United States of America, and other government agencies and nonprofit organizations (herein "Participating Public Agencies") is soliciting proposals from qualified Proposers to enter into a Master Agreement for a complete line of Waste Carts, Recycling Carts, Cart Parts, Bins and Related Products and Services (herein "Products and Services").

The selected Proposer shall be responsible for the delivery and management of the proposed waste carts, recycling carts, cart parts, bins and related products and services. All products and services provided under the resultant contract are to be a part of a robust turn-key waste and recycling cart solution which will allow the Lead Public Agency and Participating Public Agencies to address their respective waste and recycling needs utilizing a single competitively awarded contract. Proposers shall submit pricing for required components as listed in the Scope of Services and in addition, provide pricing and a comprehensive manufacturer product and service list whereby all available options can be added or deleted.

2.2 OBJECTIVES

The objectives of this solicitation and resultant contract award are:

- A. Establish the Master Agreement as a Supplier's primary offering to the Lead Public Agency and Participating Public Agencies;
- B. Achieve cost savings for the Lead Public Agency, Suppliers, and Participating Public Agencies through a single competitive solicitation process that eliminates the need for multiple bids or proposals;
- C. Combine the volume of the Lead Public Agency and Participating Public Agencies, estimated to be \$50 Million Dollars Annually, to achieve cost effective pricing;
- D. Reduce the administrative and overhead costs of Suppliers and Participating Public Agencies through state of the art ordering and delivery systems;
- E. Provide the Lead Public Agency and Participating Public Agencies with environmentally responsible products and services.

2.3 GENERAL INFORMATION

PROPOSERS ARE TO PROPOSE THE BROADEST POSSIBLE SELECTION OF WASTE CARTS, RECYCLING CARTS, BINS, CART PARTS AND RELATED PRODUCTS AND SERVICES OFFERED. ALL PRODUCTS OFFERED MUST BE NEW, UNUSED, LATEST DESIGN, AND TECHNOLOGY UNLESS OTHERWISE SPECIFIED.

As carts and bins are usually exposed to the outdoor elements, they must be able to withstand all types of outdoor climate to include high heat, consistent rain, humidity, inclement weather and cold climates.

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The intent of this Solicitation is to provide the Lead Public Agency and Participating Public Agencies with products and services to meet their various needs. Therefore, Proposers should demonstrate experience providing the Products and Services as defined in the RFP, including but not limited to:

- A. **Waste Carts** –A complete and comprehensive selection of durable residential waste carts in a wide range of sizes, colors and options offered by Proposer.
- B. **Recycling Carts** – A complete and comprehensive selection of durable residential recycling carts in a wide range of sizes, colors and options offered by Proposer.
- C. **Recycling Bins** – A complete and comprehensive selection of durable residential recycling bins in a wide range of sizes, colors and options offered by Proposer.
- D. **Cart Parts** – A complete offering of repair and maintenance parts for waste and recycling carts offered by Proposer.
- E. **Waste and Recycling Related Services** – A complete offering to include an asset management solution, bar code hardware/software integration, RFID hardware/software integration, cart distribution, container maintenance, repair services and any other related services.
- F. **Additional Products and Services** to include commercial waste carts, healthcare waste containers, reusable sharps containers, public litter containers, food handling products and any related products as well as related services.

2.4 COMPLIANCE WITH FEDERAL STANDARDS

All items to be purchased under this contract shall be in accordance with all Federal, State, and local governmental standards, to include, but not be limited to, those issued by the Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety Hazards (NIOSH), and the National Fire Protection Association (NFPA).

2.5 CART SPECIFICATIONS

All carts shall meet, at a minimum, American National Standards Institute (ANSI) cart standards Z-245.30-1996 and Z-245.60-1996, or latest ANSI update. All applicable rules, regulations, laws and standards pertaining to this product must be adhered to. The following specifications supersede the standards listed above, where applicable:

- i.) The cart shall be manufactured from high-density polyethylene (HDPE). The HDPE must have a density of 0.947 to 0.968 grams cm³. The Melt Index (MI) of the HDPE must be, at minimum, 4.0.
- ii.) The cart shall have an ultraviolet (UV) inhibitor to prevent deterioration and shattering. The Ultraviolet inhibitor shall be added at a minimum of 2% by weight, thus ensuring maximum protection from the elements.
- iii.) The cart shall be manufactured with a smooth non-textured surface inside and shall have no sharp edges on the outside.
- iv.) The cart shall be manufactured free of inside recesses, projections or other obstructions where refuse could be trapped.

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- v.) The cart shall be manufactured with a narrow width design to fit through a 30 inch door opening.
- vi.) The cart shall be manufactured with a foot operated tilt feature designed in the axle area to facilitate easy tipping.
- vii.) The cart shall be manufactured with a slight taper, so that the top of the body is slightly larger than the bottom for nesting during shipment.
- viii.) The cart shall be aerodynamically designed to remain stable in winds of approximately 25-30 miles per hour.
- ix.) The cart shall be designed (whether empty or full) to remain in the upright position when the lid is thrown open.
- x.) The cart shall be manufactured with a ¼" minimum molded-in bottom wear strips for longer life.
- xi.) The cart lifting section shall be permanently molded into the cart by the manufacturer.
- xii.) The grab bar shall be permanently molded into the cart by the manufacturer.
- xiii.) With the exception of the grab bar and metal axle, there shall be no other metal attachments, metal framing, or nuts and bolts on cart.

A. Cart Compatibility with Truck Loading System(s)

Carts are required to be compatible with standard truck mounted cart grabbing system(s) where the vehicle's arm empties the cart contents into the vehicle's waste receptacle. The cart shall be designed to be picked up and dumped by a semi-automated or fully automated lifting device that picks up the leading side of the cart and inverts it while preventing it from falling into the truck hopper. The cart shall function regularly and efficiently with a mechanized collection system. Carts must meet the truck grabber system requirements as specified below and shall be tested and evaluated as follows:

i.) Cart Testing Program to ensure Cart Compatibility with Truck Loading System(s)

Prior to award, the Proposer may be asked to deliver additional samples of each cart size and type for testing at no cost to the Lead Public Agency. The Lead Public Agency will not be responsible for returning samples. Cart samples shall be delivered at the location identified within the notification sent by the Lead Public Agency within seven (7) calendar days.

The sample carts testing program shall be conducted as follows:

Proposers, at a minimum, shall be required to provide three (3) sample carts to include one (1) 35 gallon cart, one (1) 64/65 gallon cart, and one (1) 95/96 gallon cart from each manufacturer product proposed. Each of the sample carts shall be labeled with the Proposer's name and shall be filled to capacity, picked up by the truck grabber system and have the contents dumped into the truck hopper. This process will be repeated twenty-five (25) times per sample cart. If the Lead Public Agency's testing program determines that the cart is not compatible with the truck grabber system or the cart fails the test, the Proposer may not be considered for award. The meeting time, date, and location of the sample cart tests will be published to all Proposers that are to be evaluated in the event the Proposer desires to observe the test.

The Lead Public Agency reserves the right to conduct the testing as outlined above, modify such testing or waive such right at its sole discretion based on the needs outlined.

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B. Cart Lid and Handle

The proposed cart lid shall be a one-piece construction and be manufactured from the same material and color as the cart body unless otherwise specified by the Lead Public Agency. It shall be of such a configuration that it will not fade, warp, bend, slump, or distort to such extent that it no longer fits the cart properly or becomes otherwise unserviceable. An ultraviolet inhibitor is required. The inhibitor shall guarantee effectiveness against sun deterioration or the lid becoming brittle due to exposure.

The cart section will be furnished with a hinged lid, with the hinge to the rear of wheeled section. Two-wheeled cart lids that are hinged shall be marked with a statement such as, "CLOSE LID BEFORE MOVING", at the Ordering Agency's discretion. Lids shall be curved or built up to drain and shall be light and stiff for convenient handling. Lids shall sit flush or overlap the sides, but may flare out so they will not bind against the sides if the container is distorted by the lifting device. The lid must have a molded memory that returns to its original shape if distorted by the lifting device, so that the lid closes completely.

Lids shall be securely attached to the cart without the use of nuts and bolts and shall be hinged to open using gravity as the cart is dumped. The lid shall open to a position of 270 degrees from the closed position and hang open without stressing the lid, cart body or tipping over the cart.

Handle attachments must be an integrally molded part of the body or lid. Lids will not have a locking device. Lids should be designed to be easily removed in the event of damage or failure; the hinge assembly shall not be capable of being readily removed by the public, by hand or with ordinary tools.

The proposed cart lid should prevent the intrusion of rain water, rodents, birds, and flies and prevent the emission of odors. It should enable the free and complete flow of material from the cart during the dump cycle without interference with the material already deposited in the truck body or the truck body itself and its lifting mechanism. The lid shall not blow open during inclement weather conditions. Users of the cart should be able to conveniently and easily open and close the lid throughout the serviceable life of the cart. The cart lid and body must be of such design and weight that would prevent an empty cart from tilting backward when lifting the lid open.

C. Cart Wheels

1. Each cart shall be furnished with two (2) plastic molded, minimum 1 ¾" cross-section snap on wheels, and each wheel shall be furnished with an inner lock pin made out of a corrosion resistant material. Wheels shall be molded from first quality 100% virgin high-density polyethylene (HDPE) resin or high-density polyethylene (HDPE) resin that may include recycled HDPE material. A quiet tread is required. Wheels must be secured to the axle by a means that resists hard set downs, pushing, pulling, and testing. Wheel bearings, if provided, shall be maintenance-free and self-lubricating.
 - Cart wheels for the 95/96 gallon carts must have a minimum diameter of 12 inches.
 - Cart wheels for the 64/65 gallon carts must have a minimum diameter of 10 inches.
 - Cart wheels for the 35 gallon carts must have a minimum diameter of 8 inches.
2. Each Ordering Agency, at its sole discretion, may opt to request that each cart be furnished with two (2) rubber wheels. The wheels shall consist of a minimum 1 ¾ inches cross-section, solid rubber tires pressed onto hubs. Wheels must be secured to the axle by a means that resists hard set downs, pushing, pulling, and testing. Wheel bearings, if provided, shall be maintenance-free and self-lubricating.
 - Cart wheels for the 95/96 gallon carts must have a minimum diameter of 12 inches.
 - Cart wheels for the 64/65 gallon carts must have a minimum diameter of 10 inches.
 - Cart wheels for the 35 gallon carts must have a minimum diameter of 8 inches.

D. Cart Axle

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Each cart shall be furnished with 5/8 inch minimum solid steel axle with corrosion resistant coating that shall be securely attached to body by molded axle retainers. The axle must slide in the cart bottom and must not be exposed to contents inside of the container. Metal attachments are not acceptable.

E. Cart Markings

1. Manufacturer Information: Carts shall be permanently identified with 1) manufacturer's name or trademark, 2) model, 3) year and month of manufacture, 4) manufacturer's maximum load weight rating and 5) volumetric capacity.
2. Standards: Carts shall be clearly marked that they are designed and manufactured in accordance with ANSI Standards. If the cart conforms to the requirements of one or more of the standard container types specified in ANSI Z245.60-1996 or latest update, the marking shall include: "CONFORMS WITH ANSI Z245.60-1996 (or latest update), TYPE B (barlock) and G (automated) ANY REPAIR, RECONSTRUCTION, OR MODIFICATION MUST ALSO CONFORM TO THIS STANDARD."
3. Logo: An Agency logo will be inscribed or hot-stamped in white color on both sides of the body of the cart. Decals, stickers or surface paint are not acceptable. The logo shall be in the shape of a rectangle and sizes shall be per cart size, as follows:
 - 95/96 Gallon Cart - 7" H x 11 ¼ W
 - 64/65 Gallon Cart - 9" H x 6" W
 - 35 Gallon Cart - 5" H x 7 ½" W
4. Required Cart Identification: Serial Number and Respective Bar Code markings for all carts must be placed in three locations: 1) the front of the cart, 2) the right side of the cart and, 3) the left side of the cart, using materials and an application method that is highly durable and appropriate to the weather and waste environment. Please refer to Section 2.6 below for more information. The bar code must be in a position that will permit the scanning of nested or stacked containers (as received upon delivery), with a preferred location above the entity logos on either side. The Proposer will include the ongoing "scannability" of the bar code under normal wear and tear conditions in an exposed environment in the cart warranty. The Proposer may offer relevant options for upgraded, longer-lived bar codes and/or a method of replacing lost/damaged bar codes. The starting number shall be determined by the Ordering Agency, and updated upon request.

Cart Identification Position by Size of Container:

- a) **95/96 Gallon Cart:** The cart serial numbers and bar code shall both be encompassed in the shape of a rectangle. Dimensions shall be 6" in width and 3" in height. The front serial numbers and bar code shall be placed in the center of the cart, 11" from the top of the cart (minus) lid. Serial numbers and bar code placed on the side of the cart shall be 4" from the top of the cart minus lid and ¾ of the distance from the front of the cart.
 - b) **64/65 Gallon Cart:** The cart serial numbers and bar code shall both be encompassed in the shape of a rectangle. The dimensions shall be 6" width and 3" in height. The front serial numbers and bar code shall be placed in the center of the cart, 10" from the top of the cart (minus) lid. Serial numbers and bar code placed on the side of the cart shall be 4 1/2" from the top of the cart minus lid and ¾ of the distance from the front of the cart.
 - c) **35 Gallon Cart:** The cart serial numbers and bar code shall be encompassed in the shape of a rectangle. The dimensions shall be 6" width and 3" in height. The front serial numbers and bar code shall be placed in the center of the cart, 8" from the top of the cart (minus) lid. Serial numbers and bar code placed on the side of the cart shall be 5" from the top of the cart minus lid and ¾ of the distance from the front of the cart.
5. Instructions for Use of Cart: All cart lids shall be clearly embossed with raised letters and inscribed, or hot-stamped onto the outside of the lid near the front. Verbiage shall be in up to three languages, to include English, Spanish and Creole, and will be finalized by the Agency prior to an order being placed. The Agency shall reserve the right to change the verbiage or request the verbiage in another language other than those listed below as long as it is provided by the Agency to the vendor at the time of order placement.

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- a) The language for waste carts should be customizable and shall include at least the following:
 - Keep Lid Closed
 - Property of (Agency)
 - This Side Toward Street
 - No Construction Material
- b) The language for recycling carts should be customizable and shall include at least the following:
 - Property of (Agency)
 - For Customer Service Call _____
 - Recyclable Materials Only
 - Keep Lid Closed
 - This Side Toward Street

6. Recycled Content Symbol: To comply with Florida State Law relating to identification of recycled plastic materials, the recycling symbol and a number indicating the type of plastic used shall be embossed on all carts. The marking shall be at least 3" x 3" or compliant with current regulations, and shall meet Society of Plastic Industry (SPI) voluntary coding system.

2.6 BAR CODE/SERIAL NUMBER LABEL FOR RETROFIT

The selected Proposer shall provide bar code/serial number labels that will be permanently adhered to existing carts. Labels shall be made of durable plastic, use permanent adhesive and ensure a life expectancy of at least eight (8) years. The adhesive shall be durable, anti-fading, wrinkle resistant and resistant to extreme weather conditions such as: heat, cold, high humidity and high volume water pressure. The bar code/ serial number label shall be capable of attaching to various manufacturer carts. At a minimum, the labels should adhere to: Cascade, Otto, Rehrig and Toter Carts and bins.

2.7 RFID LABEL FOR RETROFIT OF EXISTING CARTS

The selected Proposer shall provide RFID labels that will be permanently adhered to existing carts for various manufacturers. RFID labels shall be made of durable plastic, use permanent adhesive, and ensure a life expectancy of at least eight (8) years. The RFID label adhesive shall be durable, anti-fading, wrinkle resistant and resistant to extreme weather conditions such as: heat, cold, high humidity and high volume water pressure. The RFID label shall be capable of attaching to various manufacturer carts. At a minimum, the labels should adhere to: Cascade, Otto, Rehrig and Toter Carts and bins.

2.8 COLOR IN MOLD LABELS (OPTIONAL)

At the discretion of the Ordering Agency, the selected Proposer's cart/recycling bin(s) may be requested to have color in mold labels as an alternative to the agency logo, or other identifying information such as the barcode/ RFID labels. This optional feature, to be priced separately within Form B-1 "Price Proposal", will provide the ability to have in mold color labels using injection mold to fuse the label to the container as it is being molded.

2.9 RFID HARDWARE FOR NEW CARTS

The selected Proposer shall have the ability to provide embedded RFID tag technologies that allow for the tracking and distribution of the carts purchased by each Ordering Agency. This is a feature that may be elected by the Ordering Agency, and shall be tied to compatible RFID readers integrated into the operating software system that allow for tracking, distribution, and assignment.

The selected Proposer must be capable of producing and shipping carts and associated containers with an embedded UHF RFID tag that has been pre-configured and programmed at the manufacturer's production facility. The selected Proposer shall configure and provide to each Ordering Agency that elects to utilize this feature. Additionally, compatible hand-held RFID tag reader(s) are to be provided to each Ordering Agency based on the number of carts

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purchased that will provide the necessary functionality throughout the term of the resultant contract and any option exercised by the Lead Public Agency.

At a minimum, the proposed RFID Hardware, RFID tag reader device(s), and associated software functionality shall be as follows:

1. RFID tag must be installed within the cart container body, with no exposure to the outside elements. RFID tags affixed to the container lid or placed inside of the container are unacceptable. The serial number/bar code shall contain ten (10) total alphanumeric digits, including a three (3) digit prefix that indicates the container size, city/brand plate identification and type, followed by a unique 7 digit serial number. The serial number bar code must be the same number as what is used to identify the container for warranty purposes. Adhesive or sticker RFID tags and/or bar codes will not be acceptable on new production containers.
2. Selected Proposer is responsible for the cart container manufacturer to provide and maintain a web based software system that allows for the electronic database, established for each Ordering Agency, to be viewed and edited. The software system (System), at a minimum, shall provide information as to each Ordering Agency's specific RFID data and associated information for all products and services purchased against the resultant contract. The System must be capable of including each cart container's RFID tag, container size, container type, and assignment address. System should be capable of exporting Ordering Agency data in a flat file upon request. Additionally, the System should be capable of reporting and allowing for data to be extracted into Microsoft Excel or other similar type of application.
3. RFID tag inlay must be passive Gen 2 UHF tag and have an optimal operating frequency of 860-960 MHz and have an operating temperature of -40°F to +149°F. The dry inlay must meet ISO/IEC 18000-6C and EPC global C1G2 protocol.
4. RFID tag used in manufacturing has been tested and certified with an IP67 rating. The testing certification requirements consist of (1) 1mm Probe per EN 60529, (2) Dust circulation per EN 60529 and (3) Temporary Immersion per EN 60529.
5. RFID tag must be encoded and verified at the manufacturing facility to ensure that it is working properly prior to shipment.
6. Proposer shall have a minimum of 3 million RFID enabled residential containers in the field in a minimum of 50 separate locations.

Minimum RFID Tag Reader Device Requirements

The selected Proposer must supply and maintain hand-held RFID tag readers which are compatible with the RFID tags installed in the carts as specified above. The proposed RFID tag readers should be reasonably lightweight, user-friendly, extended battery life, ruggedized and will be capable of operating via a choice of connection options (cellular service or Wi-Fi). The RFID tag readers must be capable of a wired download as a back-up solution should there be a network problem and retain all data until the network is available. As part of the proposal submission package, Proposers are to provide full detail to their approach and methodology on how these services will be completed.

The selected Proposer shall supply all required accessories to operate the RFID tag reader devices in the field. This shall include but not be limited to a wall charger, car charger, case or holster as appropriate to the design must be included. An all-inclusive annual lease price and a one-time purchase price of each hand-held scanner are required. Proposers are to provide the various pricing options as requested within Form B- "Price Proposal Schedule".

The RFID tag reader device, must include at minimum, a one (1) year warranty. In addition, options for extended warranties to include pricing should be made available by the Proposer. Defective units will be returned to the Proposer

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for replacement within 30 days. The Proposer must include appropriate training materials and live training courses (hard copy, electronic copy, web-based, power point. etc. as appropriate) for users at no additional cost.

2.10 Cart Spare Parts

The awarded Proposer shall make available for purchase: new, virgin, and/or post-consumer recycled parts compatible with the carts purchased by the Ordering Agency under this contract. All parts supplied will meet ANSI Standards and manufacturer's specifications and standards for parts currently being distributed on new 35, 64/65, and 95/96 gallon waste carts and recycling carts specified in Section 2.5. Cart Specifications. Original spare parts shall be available throughout the ten (10) year warranty period of each cart.

2.11 Recycling Bin Specifications

All recycling bins shall meet, at a minimum, American National Standards Institute (ANSI) cart standards Z-245.30-1996 and Z-245.60-1996, or latest ANSI update. All applicable rules, regulations, laws and standards pertaining to this product must be adhered to. The following specifications supersede the standards listed above where applicable.

- A. The bin shall be made from high density polyethylene containing a minimum of twenty (20%) post-consumer recycled plastic.
- B. The bin material shall contain ultra violet stabilizers and be resistant to fading or breakage due to the exposure of sunlight. An ultraviolet inhibitor shall be added at a minimum of 2% by weight, thus ensuring maximum protection from the elements. Warranties shall guarantee the ultraviolet effectiveness and sun exposure causing deterioration or shattering of the carts/bins or lids will be cause for replacement by the awarded Proposer on the grounds of improper use of inhibitor.
- C. The bin shall be new, unused and clean.
- D. The bin shall have capacity of approximately eighteen (18) gallons, weigh a minimum of five (5) lbs. empty, and shall be capable of supporting seventy (70) pounds.
- E. The bins shall be rectangular in shape with solid sides as opposed to open grid sides.
- F. The bin material shall have no sharp edges.
- G. The bin drainage design must allow the retention of small amounts of liquid spillage while allowing for drainage of precipitation.
- H. The bin shall have a nesting ratio of greater than or equal to 3.5 to 1 to allow for economical storage for containers.
- I. The bins shall be clearly marked that they are designed and manufactured in accordance with ANSI standards: If the bin conforms to the requirements of one or more of the standard bins types specified in ANSI Z245.60-1996 (or attest upgrade), the marking shall include: "CONFORMS WITH ANSIZ245.60-1996 (or latest update).
- J. The Agency logo and additional program information shall be inscribed or hot Stamped in white color on the front of the bin. Decal stickers or surface paint are not acceptable. The logo shall be a 4 ½" H x 9" W rectangle.
- K. Recycled Content Symbol: To comply with Florida State Law relating to identification of recyclable plastic materials, the recycling symbol and a number indicating the type of plastic used shall be embossed on the carts. The marking shall be at least 3" x 3" or compliant with current regulations, and shall meet Society of Plastic Industry (SPI) voluntary coding system.

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2.12 Color Choice(s) for Carts/Recycling Bins

The Proposer must submit color catalogs of all possible color options to include standard and special order. Up to eight (8) sample swatches of colors may be requested at no cost to the Agency. Each Agency reserves the right to change the color of the cart and/or lid at a later date, and reserves the right to order multiple colors as necessary. Color shall be ultraviolet light stabilized to reduce fading during normal use. The color shall be non-fading throughout the warranty period.

2.13 Delivery of Carts/ Recycling Bins

The awarded Proposer shall make deliveries of waste carts, recycling carts, cart parts and bins to the Agency within 45 calendar days after the date of the purchase order. In cases where the delivery and availability will be delayed, the awarded Proposer shall notify the Agency within 48 hours from the date of the purchase order. If the Agency approves, a revised delivery schedule may be established.

The awarded Proposer shall furnish the following per order at the time of order delivery, at no cost to the Agency:

- A. Ten (10) instruction manuals for each cart/recycling bin size or type
- B. Two (2) copies of an instructional video detailing recommended repair procedures, time requirements
- C. Two (2) copies of specifications and price lists for all tools and plastic welding rods required to accomplish repairs
- C. Twenty-five (25) sets of all specialized tools required for cart repairs
- D. A copy of the Safety Data Sheet (SDS) or Materials Safety Data Sheet (MSDS) for the materials used in the manufacturing of each cart/recycling bin

2.14 Packing Slip/Delivery Ticket to Accompany Items During Delivery

The awarded Proposer shall enclose a complete packing slip or delivery ticket with any items to be delivered in conjunction with this contract. The packing slip shall be included with the product and shall be made available to the Agency authorized representative during delivery. The packing slip or delivery ticket shall include, at a minimum, the following information:

- purchase order number
- date of order
- a complete listing of items being delivered
- range of serial numbers of carts being delivered, and
- back-ordered quantities and estimated delivery of back-orders, if applicable.

2.15 Cart Training Course

The awarded Proposer shall provide each Agency with a one-time training course which will cover detailed cart assembly and repairs within 30 days from the: 1) initial purchase order or, 2) purchase orders of new types of carts/bins. This course must be provided in real-time with an opportunity for questions and answers but may take place virtually. This course will be at no cost to the Agency.

2.16 Cart/Recycling Bin Warranty Requirements

The awarded Proposer shall fully guarantee the performance of the carts/ recycling bins and warrant carts/recycling bins against defects in materials and workmanship for a minimum of ten (10) years on all carts/bins after the date of acceptance of the product. Warrantable carts/recycling bins delivered by the awarded Proposer that fail within the warranty period shall be replaced and warranted for the remainder of the ten (10) year warranty period. For purposes of this section, a cart/recycling bin shall be defined as a complete unit, including a full lid assembly, all hot stamping, all in-mold labels, all embossing, wheel assembly, hardware, and all other components (as applicable). During the

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warranty period, the awarded Proposer shall replace defective carts/bins/parts at no additional cost to the Agency, including transportation and handling. The warranty term will survive the contract term.

Examples of defects in materials and workmanship shall include, but are not be limited to:

- a. Failure of the lid to prevent rainwater from entering the cart when in the closed position
- b. Damage to the cart body, lid or any component parts through opening or closing the lid
- c. Failure of the lower lift bar from damage during interface with standard ANSI approved lifting devices
- d. Failure of the body and lid to maintain their original shape
- e. Damage or cracking of the cart body through normal operating conditions
- f. Failure of the wheels to provide continuous easy mobility as originally designed
- g. Failure of any part to conform to standards as specified herein
- h. Failure of ultraviolet effectiveness resultant of sun exposure causing deterioration or shattering of the carts or lids will be cause for replacement by the awarded Proposer on the grounds of improper use of inhibitor

THE PROPOSER'S WARRANTY IS UNDERSTOOD TO INCLUDE AND COVER ALL ISSUES REFERENCED IN SECTION 2.16, WHETHER STATED IN PROPOSER'S WARRANTY OR NOT.

A. Replacement

Any cart/recycling bin or component parts that does not conform to the technical requirements, as deemed by the Agency, or that fails by reason of inadequate or improper materials, defective workmanship, insufficient resistance to weathering or for any other cause whatsoever other than negligence or abuse shall be replaced within forty-five (45) calendar days from notice to the awarded Proposer, at no cost to the Agency.

B. Cart Replacement Parts

The awarded Proposer shall provide to the Agency all cart components for use as replacement parts of defective and unserviceable carts. Replacement parts shall be the same or superior in quality and performance as the original equipment manufactured parts. In the event that the awarded Proposer is unable to provide the Agency with any replacement part for a period longer than forty-five (45) calendar days, the Proposer shall be liable for providing new replacement carts. For each unavailable cart part requested by the Agency, the Proposer's maximum liability shall not exceed the cost of a new, replacement cart delivered to the Agency.

The specialized tool sets required for cart repairs shall be replaced at no cost to the Agency, as requested by the Agency. The Agency shall not seek warranty replacement to exceed twenty-five (25) sets of specialized tools per contract year.

C. Responsibility for damage or loss

The awarded Proposer shall not be responsible for damage or loss of carts/bins due to vandalism, abuse, neglect, theft or acts of nature subsequent to delivery and acceptance by the Agency. To the extent that the cart/recycling bin conforms to the solicitation requirements, the awarded Proposer shall not be responsible for damage or loss due to fire.

D. Claim Procedures

The Agency may remove a cart/recycling bin from residential service for repair or replacement at any time, regardless of the cause of defective performance. For carts that are subject to a warranty claim (Warrantable Carts), but repairable, the Agency may elect to conduct minor repairs such as installation of replacement parts. However, this action will in no way waive the warranty requirement of the carts. All carts that are identified as not repairable, as determined by the Agency, and are Warrantable Carts, shall be replaced as discussed in section 2.16.

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In the event that a Warrantable cart/recycling bin or component part is identified by the Agency as requiring complete replacement, then the Agency shall retain the Warrantable cart/recycling bin or component part and promptly notify the awarded Proposer in writing of its warranty claim. Within forty-five (45) calendar days of this notification, the awarded Proposer shall honor the warranty claim by delivering a replacement cart to the Agency. If the awarded Proposer contests the warranty claim, notice must be submitted in writing to the Agency's contract manager within fourteen (14) calendar days. In the case of a contested claim, resolution must be reached 60 days after the initial claim was filed.

The awarded Proposer may visually inspect the Warrantable Cart/recycling bin or component part during the forty-five (45) calendar day post-notification period. The awarded Proposer may, upon its inspection of damaged carts/bins/parts, challenge its obligation to replace subject carts/bins/parts on the basis that the failure resulted from either negligent handling and/or abusive use. The Burden of Proof when contesting warranty claims shall be placed solely on the awarded Proposer. Such proof shall be in writing with specific details as to the exact cause of the defect. The Agency will consider the details of the awarded Proposer's contested item.

In the event of a contested warranty claim, the Agency and the awarded Proposer shall use their best efforts to mutually resolve the disagreement. In the event that the Agency and the awarded Proposer cannot resolve their disagreement within forty five (45) calendar days subsequent to the awarded Proposer's notice, the Lead Public Agency's determination shall be final.

2.17 Product Returns

An agency may elect to return to the awarded Proposer any unused item within sixty (60) business days of receipt and acceptance of that item by the Ordering Agency if the item is determined to be defective by the Agency. Items will be returned with all original documentation. The awarded Proposer must supply a pre-authorized return receipt for returned items upon request. All return costs for defective items returned pursuant to this section will be borne by the awarded Proposer.

2.18 Cart/Recycling Bin Buy Back Program

The awarded Proposer shall provide its best monetary offer to buy back each cart/recycling bin size to include transportation and processing from a location determined by the Agency.

2.19 Required Asset Management Solution to include Software and Hardware

Waste and recycling carts shall be provided with automated software capable of inventory management up to and including final disposition, work order processing, and reporting. The data within the software shall be made available to the ordering agency no later than seven days from a written request, in all available formats, throughout the contract and for three years after contract expiration. Appropriate training materials and live training courses (hard copy, electronic copy, web-based, power point or additional formats) must be provided to users at no cost. The Proposer's software shall at a minimum perform the functions listed below.

A. Software: Asset Management Program and Access

The software shall:

- be web based and offered as a hosted solution by the vendor not requiring any installation on end user equipment; only a browser and internet connection are needed for access
- be available 24 hours per day, 7 days a week, 365 days per year
- include technical support at no additional cost from at least 7am to 6pm, in local time, Monday through Saturday. Additional support costs must be included in the pricing form.
- have customized tiered levels of role-based security permissions where technicians and management have different permissions based on their respective roles provide inventory management capabilities to include progress tracking of container shipments
- service requests, modified service requests, replacement requests and repair work orders should be transmitted in real-time

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- allow the user to scan bar codes and RFID tags to identify and track each cart/recycling bin associated with a specific customer address
- maintain the database for the purpose of identifying and managing carts inventory with all appropriate fields, including but not limited to: a unique cart serial number (corresponding to the bar code), cart size, cart color, Purchase Order No., delivery date and other cart-related features/data as needed, including condition (i.e., good, poor, return for warranty repair/replace)
- have the capability to add newly delivered carts (and their various characteristics) coming from the Manufacturer to the inventory (database) via scanning of the bar code with a handheld device at the time of delivery (e.g., as a load is delivered, staff scans each cart delivered, confirms agreement with delivery/packing list); all such additions to be identifiable by date and time-stamp and user performing the scan will be included in the database
- have the capability to add existing (non-barcoded) carts to the inventory (database) via placement of retrofit compatible bar codes on the carts and subsequent scanning of the bar code accompanied by appropriate data entry); all such additions to be identifiable by date & time-stamp and user performing the scan
- have ability to automatically deduct carts from inventory based on work orders (involving delivery of a new cart, refer to Work Order processing below) and/or major distributions
- have the ability to pre-program and send "alerts" to designated staff when existing inventories (by class, color, size, etc.) reach a pre-defined low point, reminding them to re-order. Inventory markers must have the ability to set a minimum level, maximum level, re-order point, and lead time. The re-order point should automatically alert the appropriate individual to begin the order process.
- Have the ability to incorporate information regarding carts to be shipped to be added to the system. The carts must remain in a pending file until the agency "releases" each cart into regular status upon verification that the actual shipment matches the file listing.
- Include a robust privacy protection policy

Work Order Processing

- provide for the geographical grouping of repair requests to the various repair crews (into the zones or groups of garbage routes which a given cart crew will service)
- provide the data in a file format of the service requests will be suitable for possible future use with a routing software
- make each zone's or cart crews daily list of addresses to be serviced, available to the specific handheld device of that crew
- provide a highly intuitive and easy user interface that will, via a customizable drop-down list, allow the cart crew/user to select the action(s) taken to "close" the service request (e.g., repair broken wheel, replace lid, etc.) inclusive of scanning the cart to be delivered; the software should prevent "closing" without a successful scan of new cart delivered and will remind the user to bar code and scan the cart being removed and add relevant data to the inventory database (if applicable)
- allow for input related to requests that could not be "closed" for any number of reasons (primarily "no cart left out for servicing"), which will be segregated for appropriate re-processing with the next day's requests; the software will enable the "closing" of a second visit regardless of the visit outcome

Data Reporting Tool Requirements

- have the ability to generate reports including pre-programmed/automatically generated (and emailed) reports on a daily, weekly or monthly basis, as specified
- be capable of producing reports on a customized ad hoc basis
- have the capability to provide reports in various file formats for export to include at least PDF, Excel and Text File
- have the ability to provide a dashboard style of data presentation in real time for both inventory and work order data sets

Interface

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- have the ability to the software will accept service requests from other systems (e.g., WCS, 311, etc.) via a standard format API (Application Programming Interface) and also permit manual entry of service requests as needed. Specifically, the proposed solution must be able to accept work orders/service requests for service work related to carts, (e.g., repairs, replacements, new distribution to new accounts, etc.) from the WCS, preferably in real time using web services. The required fields will include but will not be limited to: address, (waste) account number, garbage route number, type of cart (garbage or recycling), cart size (in gallons), and cart barcode number (if available) date and time of service request and specific type of request (e.g., repair, replacement, etc.) by numeric request code.
- have the capability to allow for all results of work order request servicing to be “returned” to other systems (e.g., WCS, 311, etc.) via a Standard format API (Application Programming Interface). The solution must be able to return information regarding the status of work orders/service requests related to carts addressed by the carts servicing crews to the WCS, again preferably in real time using web services. The required fields will include but will not be limited to: address, (waste) account number, garbage route number, a description of the resolution/completion by type (e.g., repair, replacement, etc.) by numeric code, type of cart (garbage or recycling), cart size (in gallons), and cart barcode number (of replacement unit if applicable) and the date and time of the request completion.
- **PLEASE NOTE (Interim Processing)** Due to the fact that a new WCS is currently in development, and may not be completed and implemented in advance of the delivery of the Proposed Solution, it may be necessary for the Proposed Solution to provide a temporary means of exchanging data via batch processing with the current Mainframe WCS, presumably via uploads of file extracts (of service request data) from the WCS with downloads (of service completion data) from the Proposed Solution being returned to the WCS.

B. Hardware: Hand-held Bar Code Scanners

The Proposer must supply and maintain hand-held Bar Code Scanners which are compatible with the Bar Codes hot stamped into the carts as specified above in Section 2.5, E. Cart Markings and Section 2.6 Bar Code/Serial Number Label for Retrofit. The proposed handheld scanning device will be reasonably lightweight, user-friendly, ruggedized and will be capable of operating via a choice of connection options (cellular service or Wi-Fi). The device must be capable of a wired download as a back-up solution should there be a network problem. All required accessories to include a car and wall charger, long-life battery, case or holster as appropriate to the design must be included. An all-inclusive annual lease price and a one-time purchase price of each hand-held scanner are required. The device, if purchased, must include at minimum, a one (1) year warranty. In addition, options for extended warranties to include pricing should be made available by the Proposer. Defective units will be returned to the Proposer for replacement within 30 days. The Proposer must include appropriate training materials and live training courses (hard copy, electronic copy, web-based, power point. etc. as appropriate) for users at no additional cost.

2.20 National Program Requirements and Additional Products and Services

The listed products and services shall be made available for any Participating Public Agency who desires to utilize the respective product or service. Details to include approach and pricing must be submitted in the respective Proposers Information document and Price Submittal Form. Each product and service shall be considered a stand-alone option. The Proposals shall include the Proposer’s capability to customize solutions in accordance with the purchase of carts, bins and related products and services.

- A. Master list of all available carts/bins with options to be added to deleted as needed
- B. Master list of all available related products with options to be added to deleted as needed
- C. Assembly, Distribution and Tracking Services for Carts/Recycling Bins as applicable
- D. Cart Maintenance Services
- E. Cart Repair Services

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- F. Software customization and integration with existing programs may be required by respective agencies. The Proposer shall include their capabilities to integrate software with various existing programs.

2.21 Pricing

- A. Prices submitted must be all inclusive, FOB destination with no add-on charges permitted. The Proposer shall quote a firm, fixed price for the items listed in the Scope of Services and Form B-1. Prices shall include all costs associated with the product or service including labor, equipment, supplies, management, travel, etc. The proposer must demonstrate that the proposed pricing is its best pricing to participating public agencies. Therefore, pricing must include two benchmark comparisons on all products and services that have been utilized by a public entity. One of these comparisons should be based on a mid-sized public entity and the other based on a large public entity.
- B. Cart/Recycling Bin Price Adjustments: It is the Awarded Proposer's responsibility to submit a request to modify cost under this contract twice per year. Prices quoted shall be firm for the first six (6) months of the contract period. After the first six (6) months, pricing for the cart component only of this proposal must be revised based on the price change in HDPE resin for Large Buyer Contract prices for Medium Quality Injection Molding as documented by the Chemical Data Monthly Petrochemical & Plastics Analysis Report as produced by Chemical Data (CD), 111 North Loop West, Suite 1140, Houston, Texas 77008. Price adjustments as a result of resin increases or decreases will only be allowed twice per contract year, and resin prices at the beginning of the six (6) month term shall be used for the entire six (6) month period. For example, March 2016 CDI pricing will be utilized for orders placed in April 2016, May 2016, June 2016, July 2016, August 2016, September 2016.

Should the market price of resin increase or decrease from the initial proposed unit price, the increase/decrease will be reflected in the unit price per cart for the term of the contract, for the amount of resin per pound per cart (95/96 and 64/65 and 35 gallon) as specified in this proposal. Any cost adjustment may not exceed a 5% increase per contract year.

Proposer shall submit its proposed price changes in writing at least twenty (20) days prior to the following six (6) month period, even if the recommendation is to keep pricing the same as the previous six (6) month period. This justification will ensure that any potential price decreases are not overlooked. All requests for a price change are subject to written acceptance from Miami-Dade County before becoming effective. Proposer shall provide the following:

- I. Proposer shall provide proof of the validity of a request for a price change or no change and it shall be the responsibility of the Proposer to, at a minimum, provide certified documentation including the CDI monthly report for the correct period.
- II. Proposer shall provide the fully calculated adjustments for all products available through the awarded contract, including updated price sheets showing the new unit prices for all products. Miami-Dade County reserves the right to accept or reject any price increase(s) and to cancel any and all item(s) under the contract for which price increase(s) is/are considered unacceptable.